CBR No. H5/17-18
DATED 26-3-18

Original/Duplicate/Triplicate

CONTRACT CERTIFICATE

(For Other Works)

EE/ELE/Y/BR No. H5/17-18
Dt 26-3-18

No. 1st & Final Bill

Date.....2010

Division: **Electricals (Yelahanka)** Sub-Division: **Electricals**

Bill Received No. Dated Divisional Cash Book Voucher No..... Dated.....
Sub Divisional **Job Code :-008-17-000021**
Schedule Docket No. Head of Account : **P - 1771**
D.R.No.

Name of Work:- Shifting of DTC No 87 along with LT & HT line in between Median TATA Nagara circle Kodigehalli (Bhadrappa Layout) in O & M 15/1 BESCOM Kodigehalli Ward No 8.

Name of Contractor and Full Address: **M/S Sri Lakshmi Varadaraja electrical Stores,**
Reference to Agreement No:EE/Ele/YZ/WO/ 000006 /17-18 Date:24/11/2017

Certified that the measurements were taken by me on 16/2/18 and recorded of Pages 311461 to 471 of measurement Book No. 3115/17-18 and that the work is satisfactorily executed.

Sri Lakshmi Varadaraja Electrical Stores Proprietor

Contractor **Officer-in-charge of work**

Certified that the measurement were taken by me on 16/2/18 and found correct. The work is satisfactorily executed.

Certified that the quantities of materials shown in column 3 of Account have been actually brought to site of the work and the contractor has not previously received any advance on this security. These materials are of and imperishable nature and are all required for immediate use on the work in connection with items for finished work have been agreed upon. A normal agreement signed and executed by the contractor is recorded in the office.

Sub-Division Officer

Assistant Executive Engineer (Ele) BBMP, Bangalore

II Memorandum of Payment

1)	Total value of work done or supplies made as per account within	Total Rs = 823970=00
2)	Deduct amount to be held in reserve being .....percent Rs.....	H320=00
3)	" Balance paid by contractor Besomepp	
4)	Deduct Payment:	
	a) Amount of previous payment as in the Office Cash Book Voucher No.....Dated.....S.D. No..... adjusted towards cash advance recovery of	NH Bill 828290=00
	b) Payments Now made } cost store or other material supplied. recovery of amount creditable to this/other work Amount paid on this bill Cheque / Cash.	IT 1% Amount 82HD=00 BG&ST 1% 82HD=00 CGST 1% 82HD=00 LWC 1% 82HD=00 CBFO 1% 82H=00
5)	Balance being unpaid value of work done held in reserve.	
6)	Deduct cash advance made on the Office cash Book Voucher No..... dated.....less adjustments.	deductions 3378H=00
7)	Net amount due to or from Contractor unadjustments items.	Add Besome Deposite H320=00 790186=00
8)	Advance to Contractor for materials brought to site (as detailed) within.	Cheque Amount 794506=00
9)	Value of Government materials supplied.	
	Total amount adjusted -	Sri Lakshmi Varadaraja Electrical Stores Proprietor
		Contractor's Signature

Received Rs..... (in words).....
.....
by cash and by adjustment of Payment as per memorandum (in final settlement of all demands)

Sri Lakshmi Varadaraja Electrical Stores Proprietor

Witness
1.
2.
Dated Signature of Contractor
Paid by me by Cheque No.....Dated.....
Cash Rs.....
Dated.....Initials of Officer making payment

ಲೆಕ್ಕಶೀರ್ಷಿಕೆ P1771 POW works Zone works
ರೂ: 828290=00 ಡೆಬಿಟ್ ಮಾಡಿ ಸ್ವೀಕರಿಸಿದೆ
ರೂ: H320+790186 = 794506=00 ಚೆಕ್ ನೀಡಬಹುದಾಗಿದೆ
ರೂ: 3378H=00 ಕಂದಾಣಿಕೆ ಮಾಡಿದೆ
Stamp

ಲೆಕ್ಕ ಅಧೀಕ್ಷಕರು ಕಾ.ಪಾ.ಅ.(ವಿ) ಯಲಹಂಕ ವಲಯ
Executive Engineer

Sl. No	Description of Item	Unit
	Name Of Work:-Shifting of DTC No 87 along with LT & HT line in between Median TATA Nagara circle Kodigehalli (Bhadrappa Layout) in O & M 15/1 BESCOM Kodigehalli Ward No 8	
1	Supplaying of 11 Mtrs Spun pole	Nos
2	Labour Charges For Erection of 11 Mtrs Spun pole	Nos
3	a) Base concreating 1:4:8 1000X1000X150 mm	Nos
4	b) Pole concreating 1:2:4 1000X1000X2500 mm	Nos
5	c) Coping 1:2:4 (as per actuals)	Nos
6	Supplaying of Piercing connector suitable for 16 Sqmm -95 sqmm AB Cable-Service connections	Each
7	Erection of Piercing connector suitable for 16 Sqmm -95 sqmm AB Cable-Service connections	
8	Supplaying of Suspension clamp assembly	Each
9	Erection of Suspension clamp assembly	
10	Supplaying of Dead end clamp/Anchor clamp Assy	Per Mtr
11	Erection of Dead end clamp/Anchor clamp Assy	
12	Supplaying of Universal hooks, Bolts & Nuts	Per Mtr
13	Erection of Universal hooks, Bolts & Nuts	
14	Supplaying of Pre Insulates lugs-CPTAU for 95 sq mm	Per Mtr
15	Erection of Pre Insulates lugs-CPTAU for 95 sq mm	
16	Supplaying of End cap for 50/70 sq mm	Per Mtr
17	Erection of End cap for 50/70 sq mm	
18	Alkathine tube	Per Mtr
19	Supplaying and erection of Guy wire 7/10 SWG	Kg
20	Supplaying of 11 KV HT Aerial bunch cable 3X95+1X70 Sqmm (Bare/Insulated messenger wire) HT Aerial bunched cable	Kms
21	Stringing of 11 KV HT Aerial bunch cable 3X95+1X70 Sqmm (Bare/Insulated messenger wire) HT Aerial bunched cable	Kms
22	Supplaying of 11 kv Termination kits	Each
23	Labour Charges For 11 kv Termination kits	Each
24	Grounding connection for messenger wire	Each
25	Labour For Grounding connection for messenger wire	
26	Anchor sleeves for messengers wire	Each
27	Labour chargers for Anchor sleeves for messengers wire	
28	Supply of Spiral Earth Electrode	Per Mtr
29	Labour Charges For Spiral Earth Electrode	
30	Supplaying of 4 Pin Cross arm with pole clamp, bolt & nuts & washers for RCC Pole-GI	Sqcm
31	Fixing of 4 Pin Cross arm with pole clamp, bolt & nuts & washers for RCC Pole-GI	Nos
32	Supplaying of 2 Pin Cross arm with pole clamp, bolt & nuts & washers for RCC Pole-GI	Mtrs
33	Fixing of 2 Pin Cross arm with pole clamp, bolt & nuts & washers for RCC Pole-GI	Nos
34	Supplay and Fixing of 1.1 KV Ceramic Pin Insulator	Nos
35	11 KV Horizontal X-Arm	Nos
36	11 KV Horizontal X-Arm	Nos
37	Supplay and Fixing of11 KV Disc Insulator	Nos
38	Supplay and Fixing of11 KV Pin Insulator	Nos
39	Supplay of PVC Insulation tap	Nos
40	Supplaying and laying of GI Pipe 100 mm Dia	Mtrs
41	Supplaying and laying of PVC Pipe 150 mm Dia	Mtrs

Previous Measurement		Present Measurement			Total Upto Date		Remarks
Qty	Cost	Qty	Rate	Amount	Qty	Cost	
		3	16000.00	48000.00	3	48000.00	
		3	2500.00	7500.00	3	7500.00	
		3	700.00	2100.00	3	2100.00	
		3	12000.00	36000.00	3	36000.00	
		3	1000.00	3000.00	3	3000.00	
		30	200.00	6000.00	30	6000.00	
		30	50.00	1500.00	30	1500.00	
		6	300.00	1800.00	6	1800.00	
		6	100.00	600.00	6	600.00	
		6	130.00	780.00	6	780.00	
		6	150.00	900.00	6	900.00	
		6	300.00	1800.00	6	1800.00	
		6	100.00	600.00	6	600.00	
		20	330.00	6600.00	20	6600.00	
		20	150.00	3000.00	20	3000.00	
		20	20.00	400.00	20	400.00	
		20	5.00	100.00	20	100.00	
		2	500.00	1000.00	2	1000.00	
		10	60.00	600.00	10	600.00	
		0.06	630000.00	37800.00	0.06	37800.00	
		0.06	20000.00	1200.00	0.06	1200.00	
		2	2000.00	4000.00	2	4000.00	
		2	700.00	1400.00	2	1400.00	
		2	125.00	250.00	2	250.00	
		2	25.00	50.00	2	50.00	
		3	25.00	75.00	3	75.00	
		3	5.00	15.00	3	15.00	
		2	200.00	400.00	2	400.00	
		2	50.00	100.00	2	100.00	
		4	300.00	1200.00	4	1200.00	
		4	100.00	400.00	4	400.00	
		4	250.00	1000.00	4	1000.00	
		4	100.00	400.00	4	400.00	
		20	40.00	800.00	20	800.00	
		4	400.00	1600.00	4	1600.00	
		4	100.00	400.00	4	400.00	
		6	300.00	1800.00	6	1800.00	
		12	100.00	1200.00	12	1200.00	
		20	10.00	200.00	20	200.00	
		10	1150.00	11500.00	10	11500.00	
		20	300.00	6000.00	20	6000.00	

42	Supplaying and laying of PVC Pipe 25 mm Dia	Mtrs
43	Supplaying and laying of Al.lead wire 240 sq mm	Mtrs
44	Supplaying of fixing of Copper legs 240 sq mm	Nos
45	Supplaying of fixing of PG Clamp-Rabbit to 240 sq mm	Nos
46	Supplaying of fixing of Spacer for DTC wiring	Nos
47	Supplaying of fixing of Fish plate with necessary bolts & nuts	Nos
48	Supplaying of fixing of Anti climbing device	Nos
49	Supplaying of fixing of 11 KV special 3 pin X Arm-GI	Nos
50	Earthing materials pipe type for grounding	Nos
51	Releasing and Reerection of RCC Pole - 9 Mtr Long 145 Kg WL X 1.9	No
52	Releasing and Reerection of 4 Pin Cross Arm with pole clamp bolt & nuts & washers for RCC Pole - GI	No
53	Releasing and Reerection of 2 Pin Cross Arm with pole clamp bolt & nuts & Washers for RCC Pole-GI	No
54	Releasing and Reerection of 11 KV Horizontal X-Arm	Set
55	Releasing and Reerection of 11 mtrs spun pole	Nos
56	Releasing and Reerection of 11 KV/433V, 250 KVA, 3Phase 50 Cys, Distribution transformer Oil type	No
57	Construction plat form for DTC	No
58	Releasing and Restringing of Rabbit ACSR Conductor	Kms
59	Releasing and Restringing ofCoyote ACSR Conductor	Kms
60	Releasing and Reerection of Transformer Structure Kit	Set
61	Releasing and Reerection of 11 KV 200 A Single break GOS	No
62	Releasing and Reerection of 11 KV Soloid care type HG Fuse unit	Ser
63	11 KV Lightining arrester, metal oxide, 9KV, 5 KV	set
64	Releasing and Reerection of LT Distribution box with MCCB	No
65	Releasing and Reerection of LT Electroni Tri vector meter SA Class 0.5/1.0 accuracy	No
66	Releasing and Reerection of LT wiring box with CTs and necessary wiring	No
67	Releasing and Reerection of LT wiring kit for 250 KVA DTC	Set
68	Supplying and Fixing of Rabbit Conductor(6/3.15mm Al +6/3.15mm Steel).	Mtrs
69	Supplying of 1.1KV grade Aerial Bunched Cable Stranded & Compacted Aluminum Phase Conductor, and Stranded Messenger Conductor with all aluminum Alloy, Phase Conductor is insulated with XLPE Compound, insulated Messenger with specified IS-14255:1995 & confirming to GTP of GROUP-A.3 X 95 + 1 X 70 + 1 X 16 SQ.MM	Mtrs
70	Supplying and running GI/Copper conductor for grounding and (along with other wires in conduit system of wiring) using necessary suitable size clamps, nails, guttas/spacers etc. GI Wire 10 SWG	Mtrs
71	Supplying and Fixing ….. including all Hardware's etc. complete as per the standard technical specification of BESCOM GUY Set	Set
72	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit … The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 122 mm dia	Set

		10	30.00	300.00	10	300.00	
		45	200.00	9000.00	45	9000.00	
		12	200.00	2400.00	12	2400.00	
		4	300.00	1200.00	4	1200.00	
		8	30.00	240.00	8	240.00	
		2	100.00	200.00	2	200.00	
		2	75.00	150.00	2	150.00	
		1	500.00	500.00	1	500.00	
		3	1500.00	4500.00	3	4500.00	
		15	2500.00	37500.00	15	37500.00	
		15	150.00	2250.00	15	2250.00	
		15	150.00	2250.00	15	2250.00	
		15	150.00	2250.00	15	2250.00	
		2	5000.00	10000.00	2	10000.00	
		1	3000.00	3000.00	1	3000.00	
		1	25000.00	25000.00	1	25000.00	
		3	5000.00	15000.00	3	15000.00	
		1.8	9000.00	16200.00	1.8	16200.00	
		1	4000.00	4000.00	1	4000.00	
		1	1500.00	1500.00	1	1500.00	
		1	1000.00	1000.00	1	1000.00	
		1	200.00	200.00	1	200.00	
		1	1000.00	1000.00	1	1000.00	
		1	1200.00	1200.00	1	1200.00	
		1	1000.00	1000.00	1	1000.00	
		1	400.00	400.00	1	400.00	
		200	50.00	10000.00	200	10000.00	
		100	500.00	50000.00	100	50000.00	
		50	15.00	750.00	50	750.00	
		4	1500.00	6000.00	4	6000.00	
		5	2500.00	12500.00	5	12500.00	

73	LED Street light. Supply of LED Streetlight with pressure die cast aluminum housing body with optimal heat sink for better thermal dissipation. Diffuser with Injection moulded & is made of polycarbonate material with high transmission index, delivering superior light output. Rated life Burning Hrs. 50000 hr. @ Lumen Maintenance of 70%. CCT > 5500K, IP 66 optical and electrical compartment & impact resistance of complete luminaire > IK08. Power Factor >0.9 with mains Current should not be greater than 0.1A to 0.7A & Surge Protection- Min 4 KV along with Over voltage/Overload, short circuit/ miswiring protection. Compatible for pole mounting with outer dia of 40mm to 50mm. Universal Voltage driver to operate wide voltage range from 100V to 270V 50/60Hz application. Over load & Short circuit protection ensures reliable operation in spite of problem in output side. Compliance to IS 10322/IEC 60598, LM 79 & LM 80 Adherence with RoHS. UL approved MCPCB. Top access street light with single screw to ensure ease of maintenance at the sight site location with minimized minimal tools.	
	LED Light fixture with .....W System Power consumption. LED Efficiency>130lm/w at 1W & Fixture Efficiency >80lm/w with nominal CRI 75+. housing with supplier word mark / name shall be engraved / Embossing on the die cast housing / body part. . Luminaire manufacturer should have in-house facility accredited by NABL/CPRI & any Government certified agency & Design & Development facility certified by ISO 9001:2008. Warranty of 5 Years against any manufacturing defect working under standard electrical conditions as mentioned above should be given by LED source manufacturer. Suitable for A1/A2 Roads as per IS 1944 Part I & Part II.90 Watts	Nos
74	Supplying and Fixing of.....mm dia class A GI pipe bracket up to 2 mtrs long bent at suitable angle and fixing to this bracket 1x40/2x40 watts fluorescent tube street light fitting of all capacities to GI or CI or rail or RCC pole / wall using suitable clamps, bolts, and nuts and wiring using suitable capacity wires. Using 32mm dia G.I.pipe	Nos
75	Fabricating supplying and mounting MS box made out... SWG suitable Ifor floor/wall mounting, fully weather proof with provision for better heat dissipation, provided with hinged front cover, equipped with tamper proof locking arrangements, with suitable size cdlamps with mecessary cable entry pipe with gland and box should be finished with 2 cdoats of red oxide primer paint and finally finished with approved colour enameled metal pain etc., complete. b)16 swg	Nos
76	Supplying and fixing of Twin Dial electro mechanical timer (without contactor) using necessary bolts, nuts and washers etc.. Group A, PWD SR 2007-08,	Nos
77	Supply and fixing of 4-pole power contactor with NO/NC contacts on existing wood / panel board using necessary bolts, nuts, washers and wiring etc., complete. d) 100-125 Amps	Nos
78	Supplying and fixing miniature circuit breakes on exisiting MCB distribution boards using necessary fixing materials and wiring complete as required. f)40-63Amps TPN, Group A	Nos
	Total Rs	
	Add BESCOM Charges Vide Rt no 899024130729 Dated 12-10-2017 Rs	
	Total Rs	

Certificate: 1. Certefied that the Above Work has been carreid out satisfactorily

Assistant Executive Engineer (Ele)
BBMP, Bangalore

			21500.00	365500.00	17	365500.00	
		17					
		17	1000.00	17000.00	17	17000.00	
		29700	0.30	8910.00	29700	8910.00	
		1	4000.00	4000.00	1	4000.00	
		1	9000.00	9000.00	1	9000.00	
		2	2000.00	4000.00	2	4000.00	
				823970.00		**823970.00**	
				4320.00		4320.00	
				828290.00		**828290.00**	